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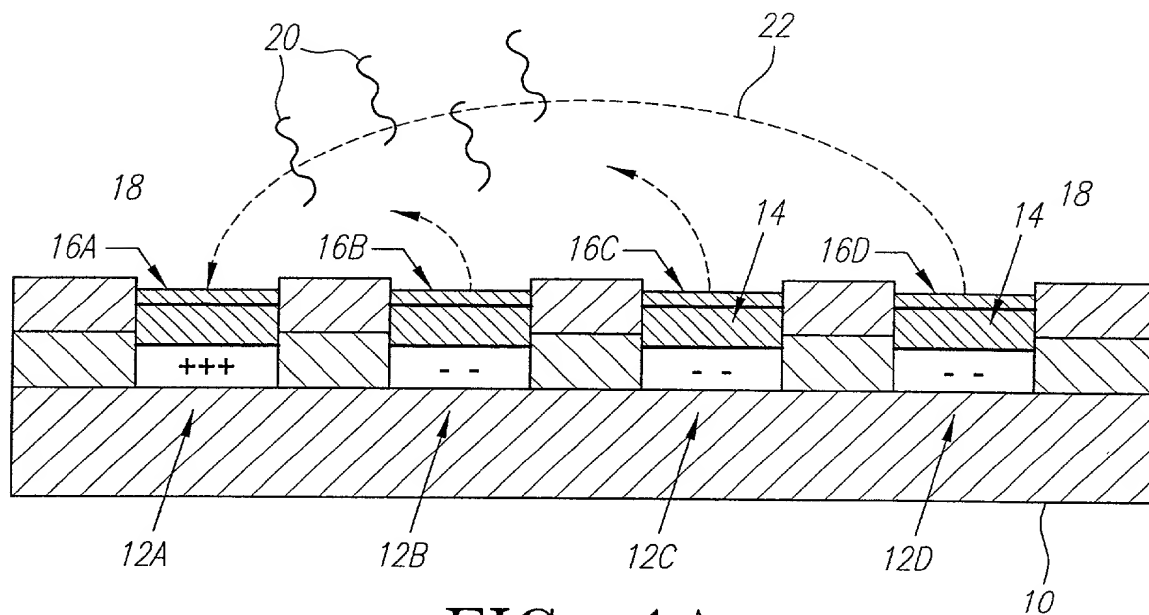


FIG. 1A

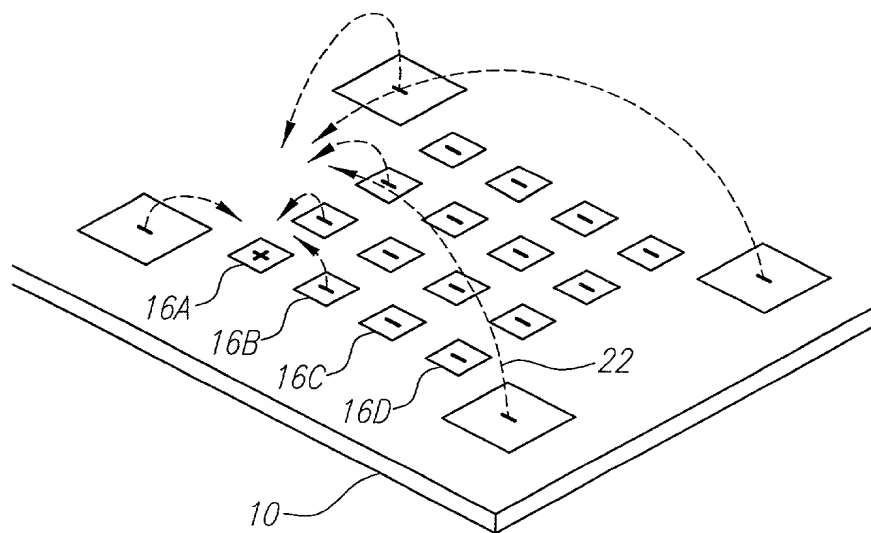


FIG. 1B

TO5250-20859860

FIGURE 2A

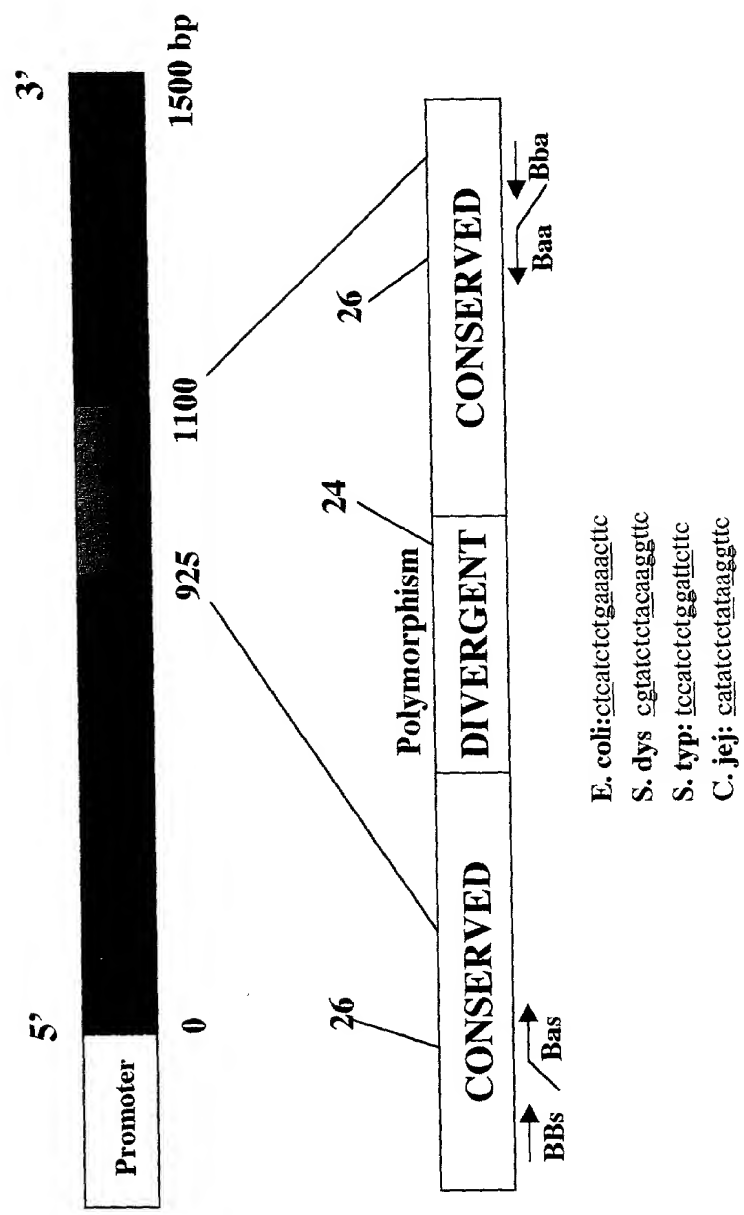
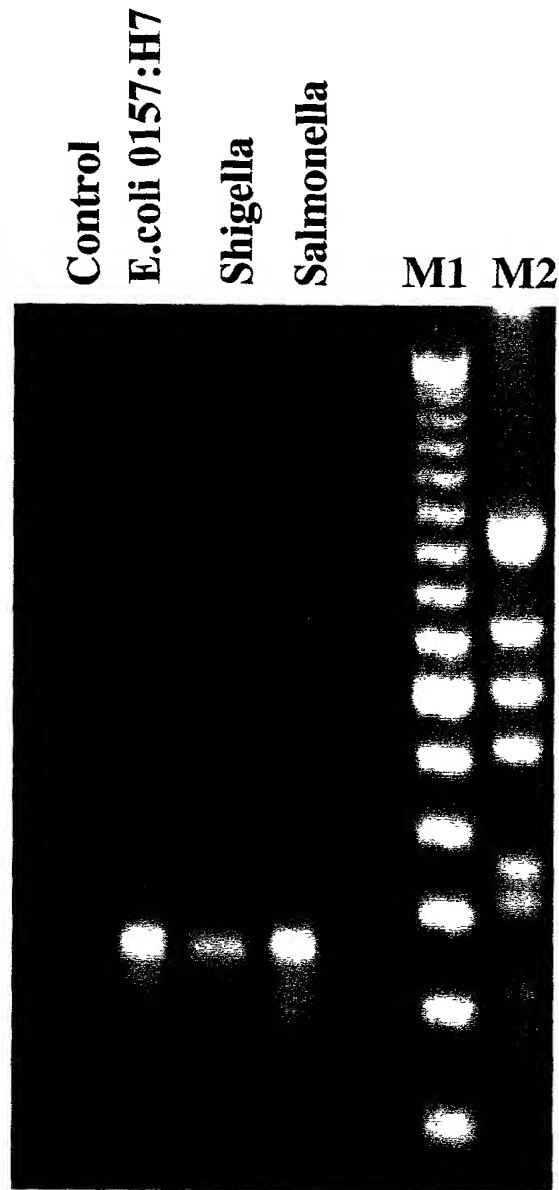


FIGURE 2B



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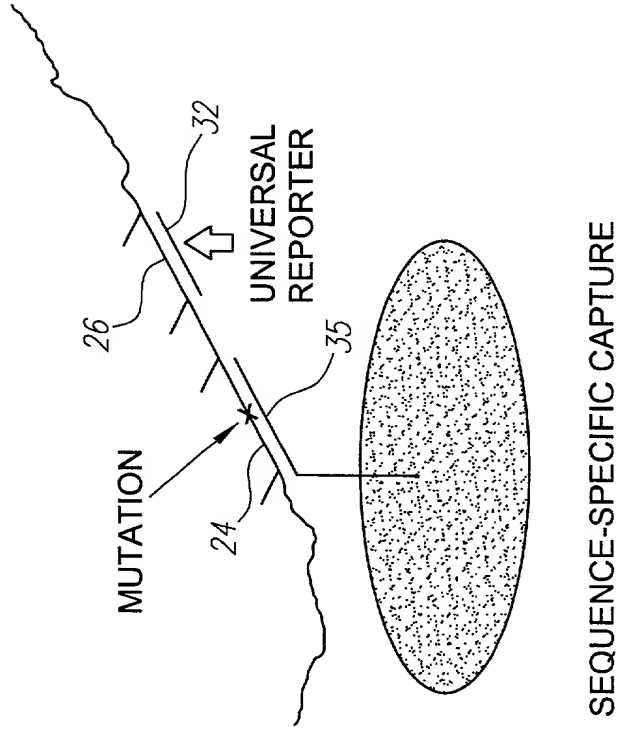


FIG. 2D

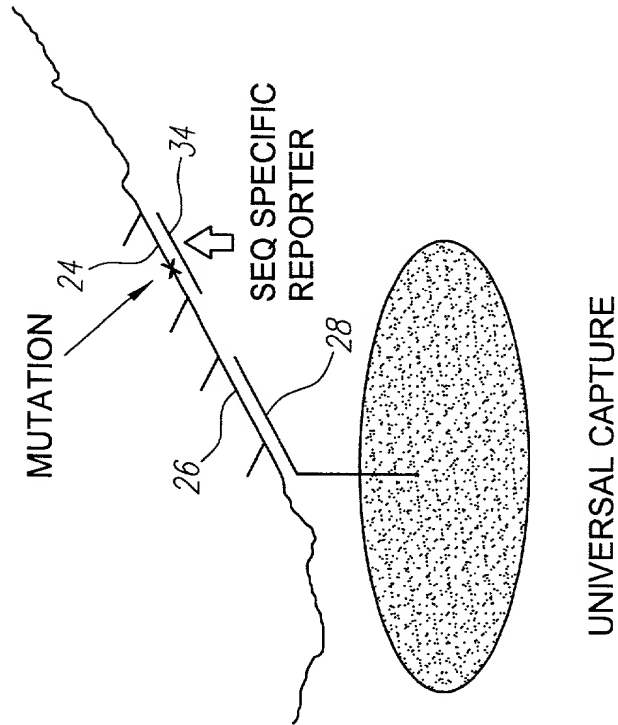
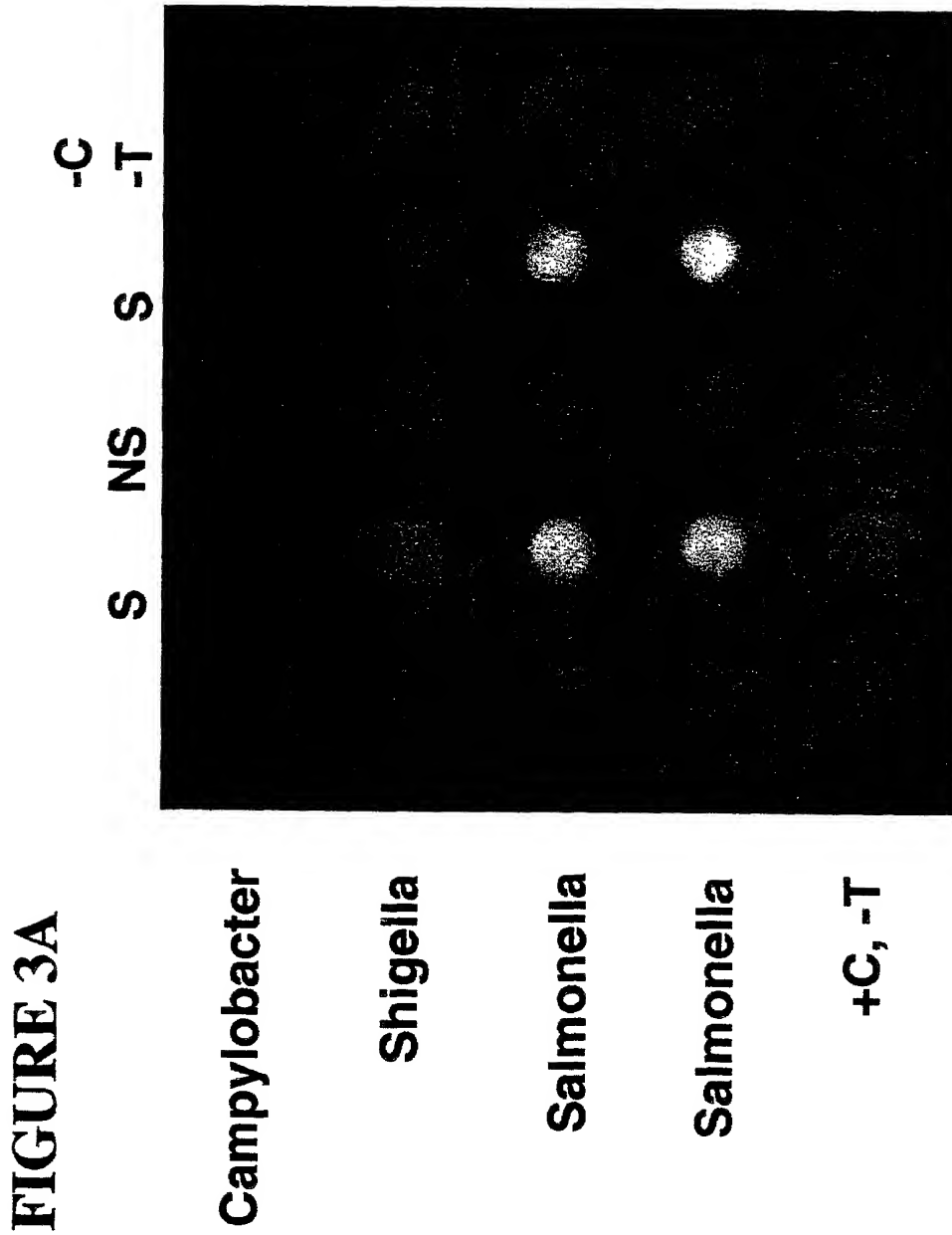


FIG. 2C



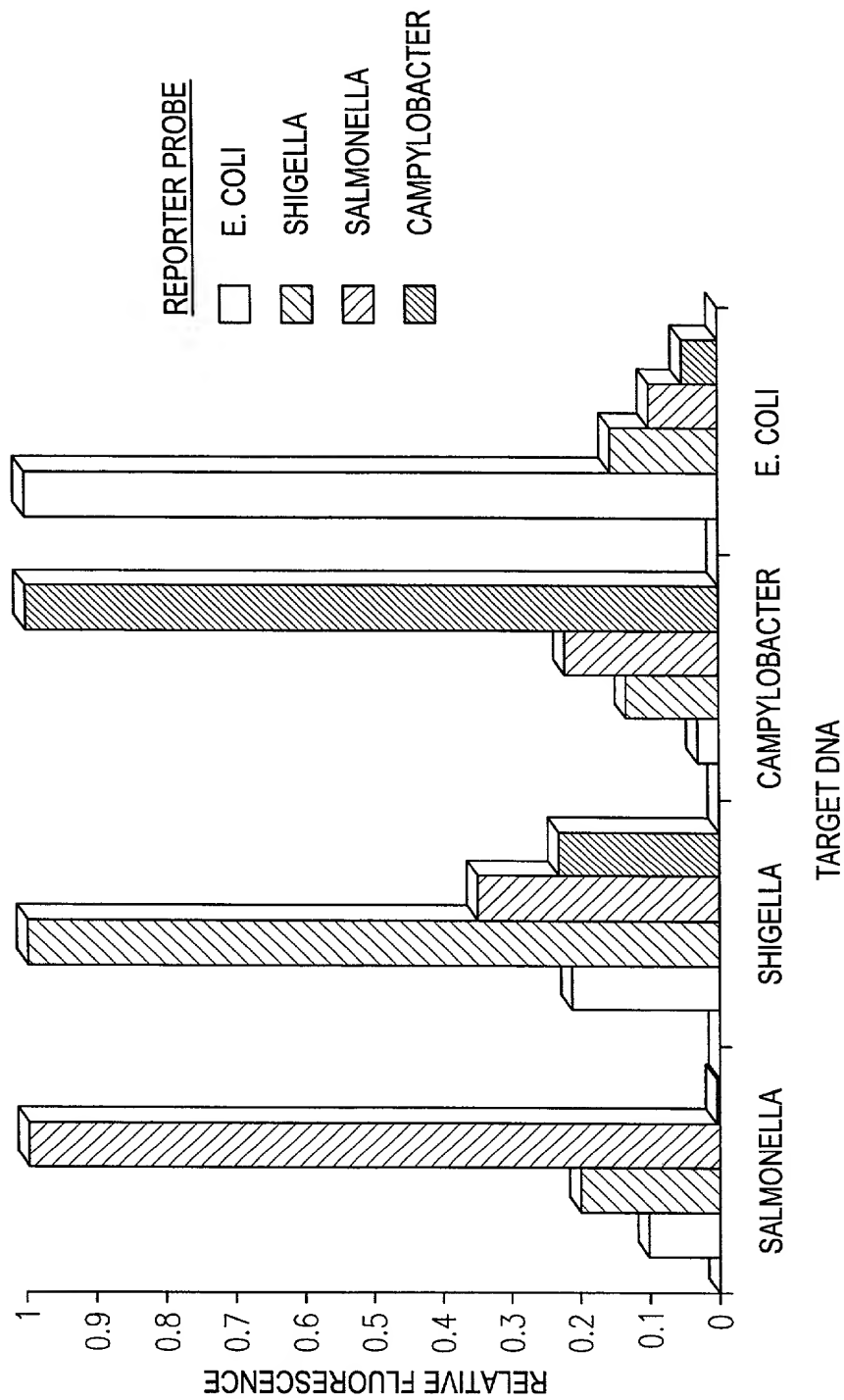


FIG. 3B

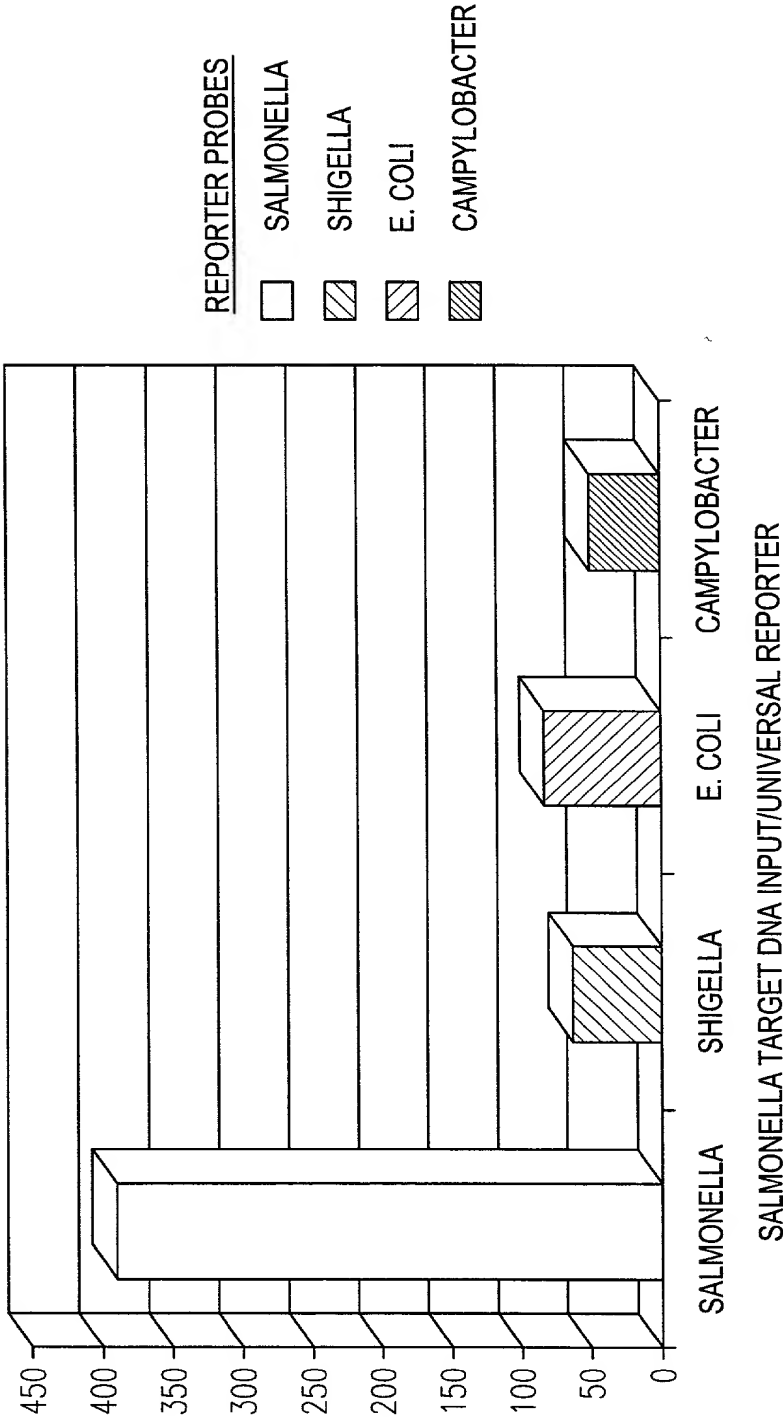
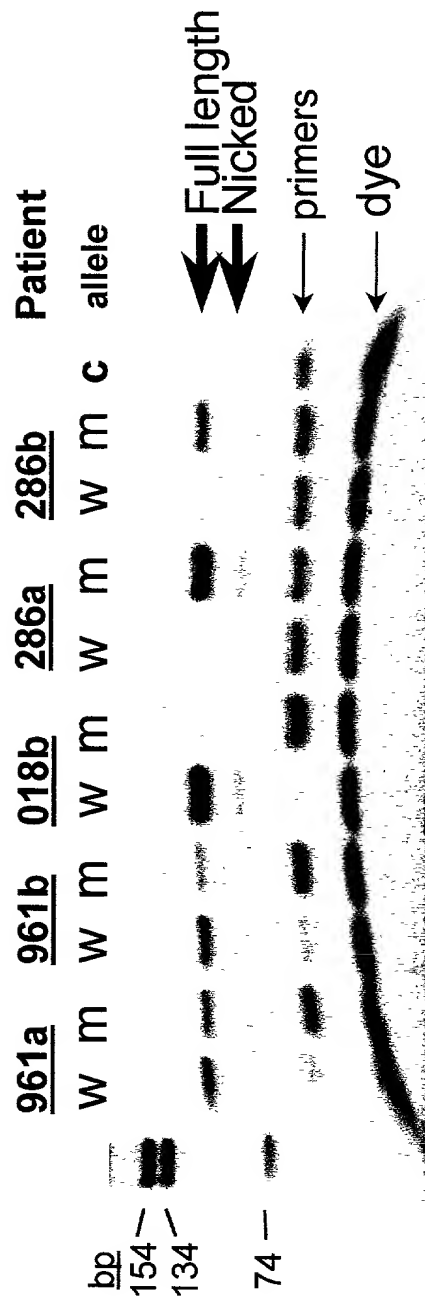


FIG. 3C

FIGURE 4A



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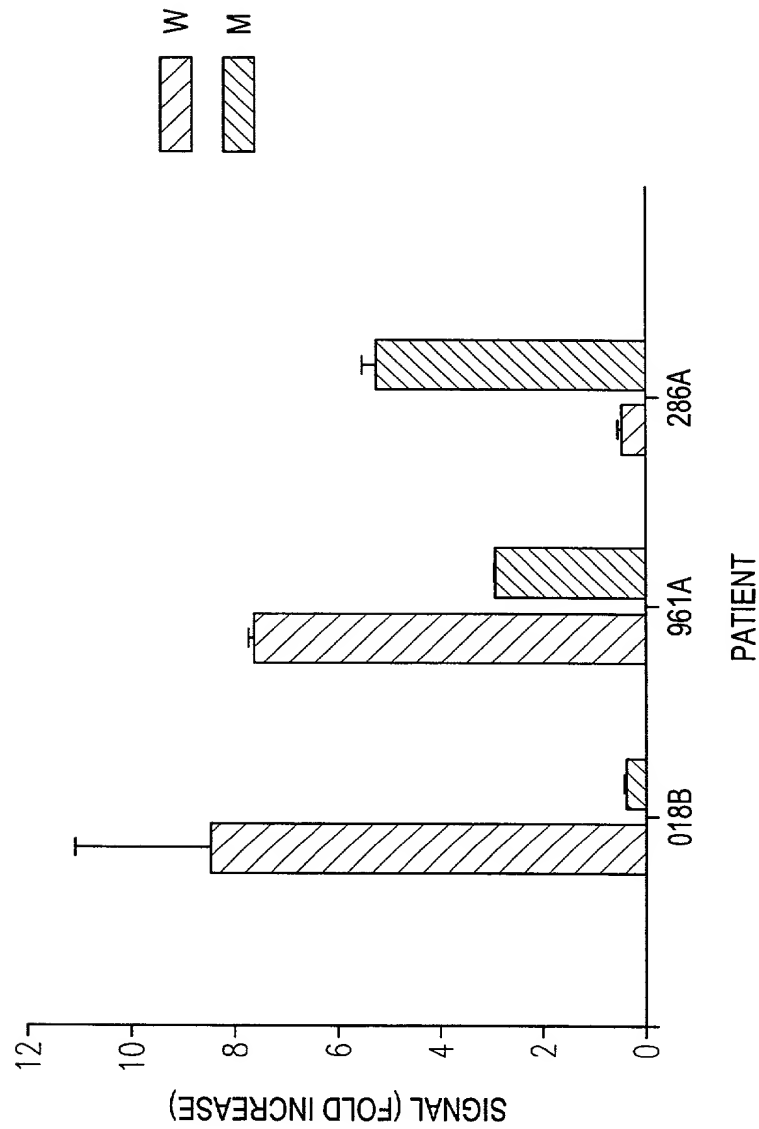


FIG. 4B

FIG. 4B

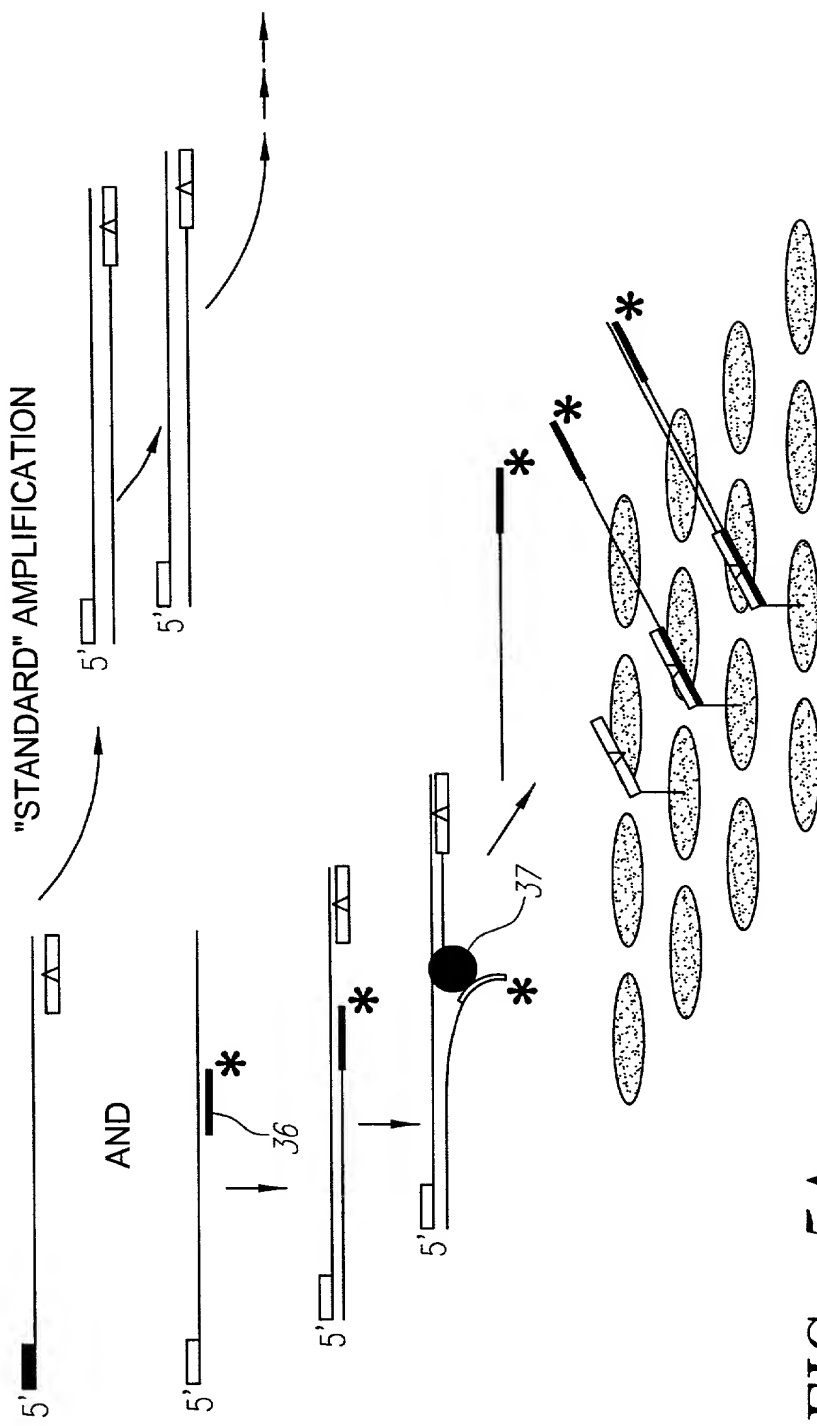


FIG. 5A

T05250" 20359360

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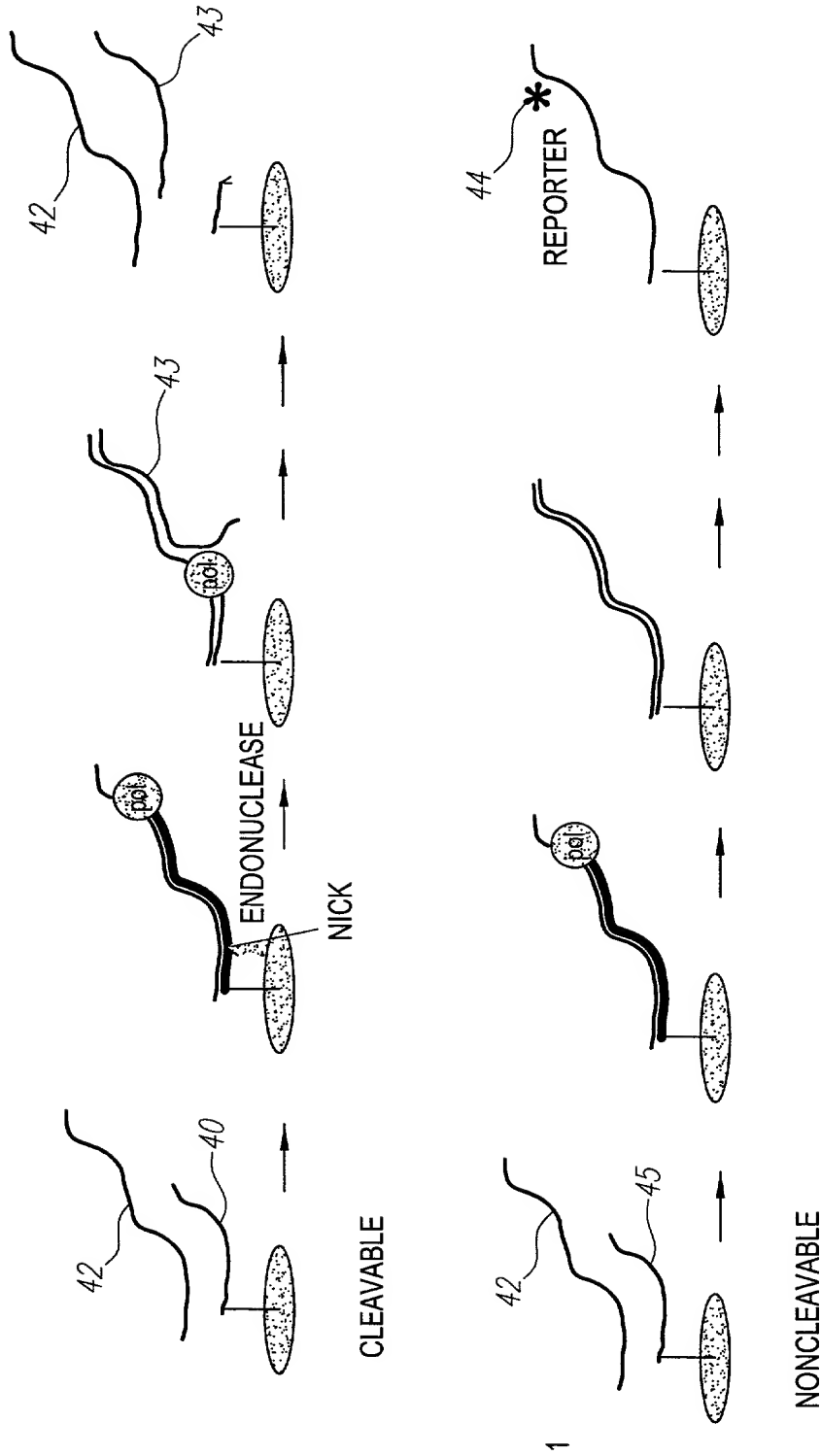
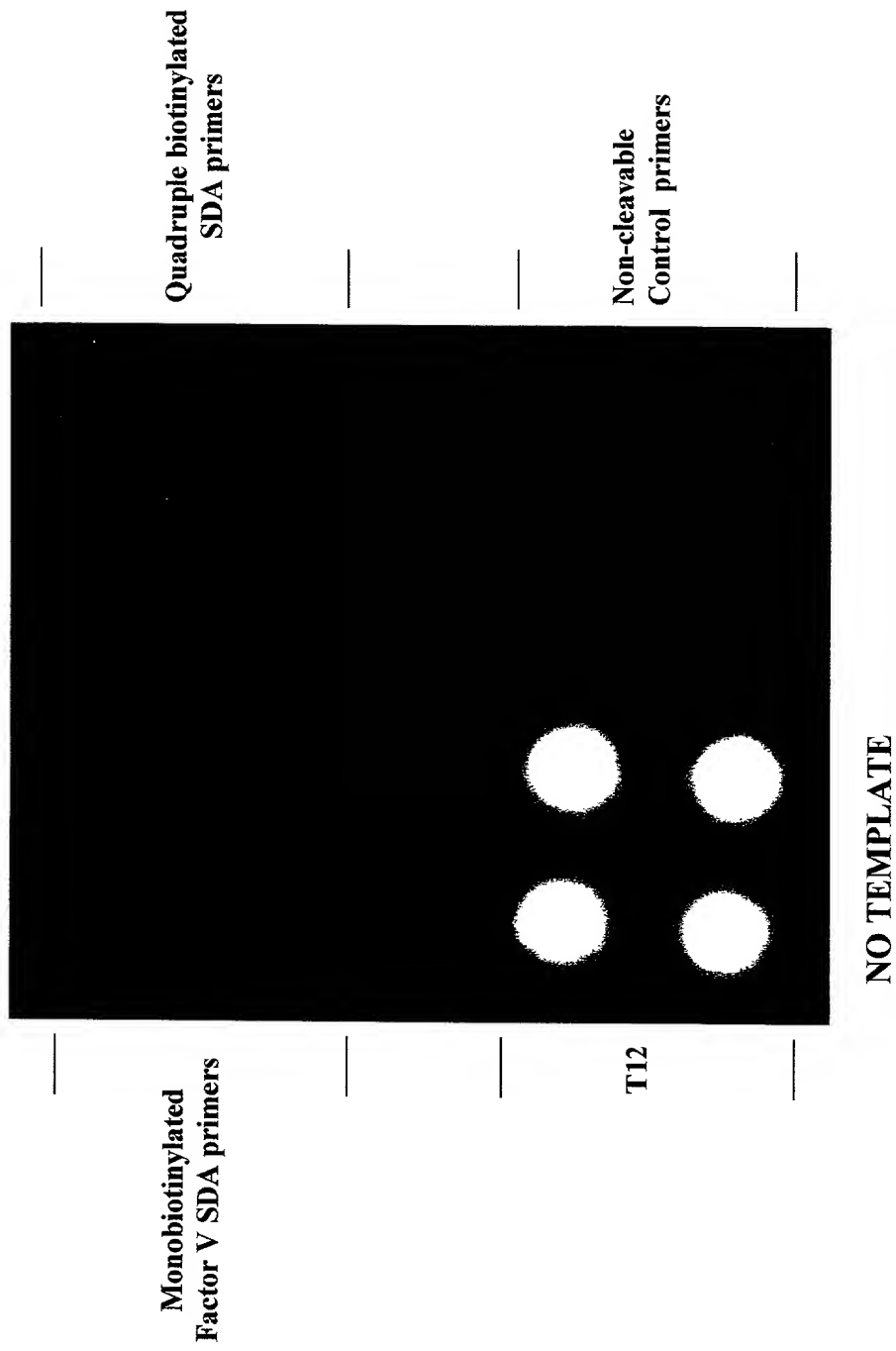


FIG. 5B

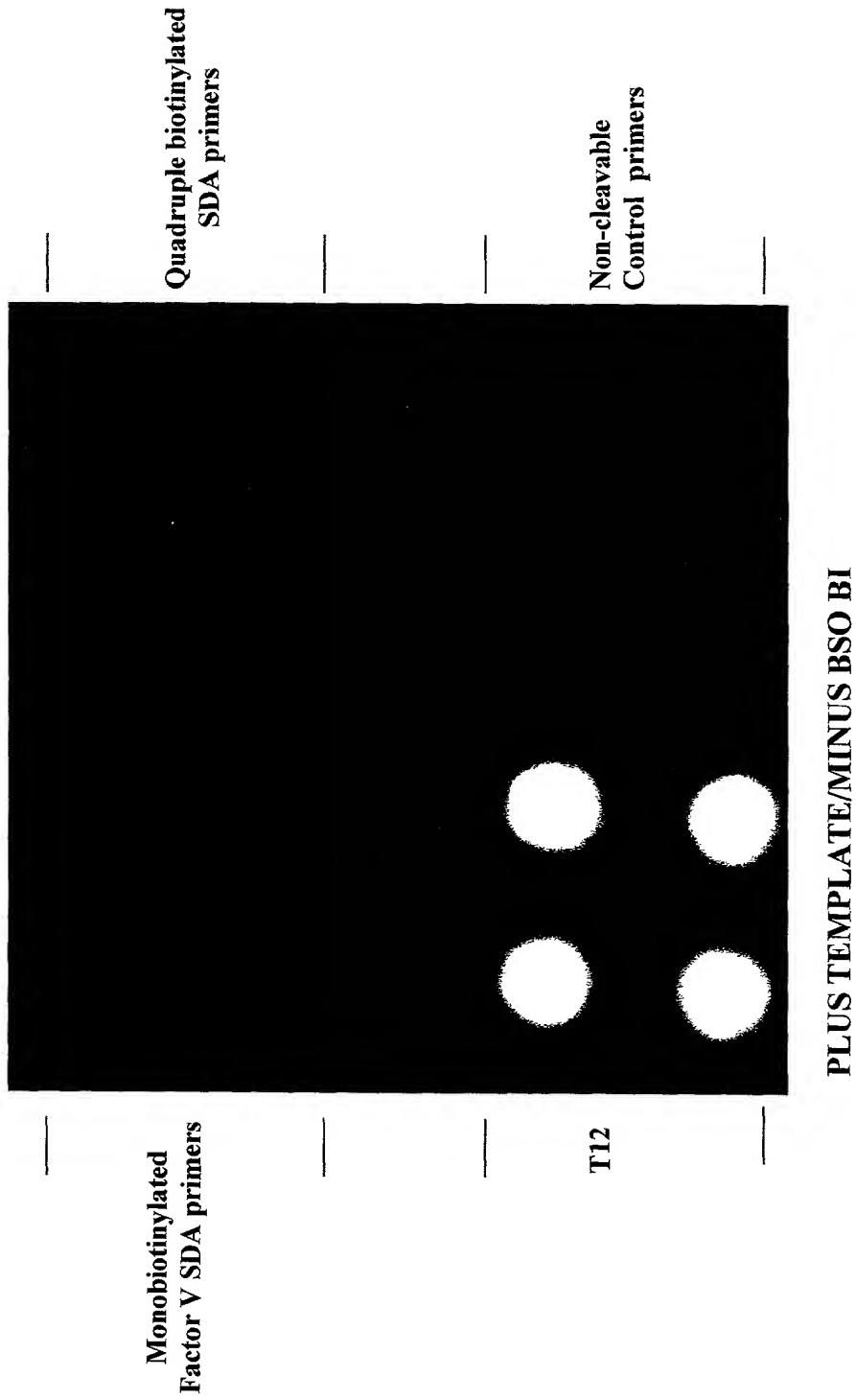
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FIGURE 6A

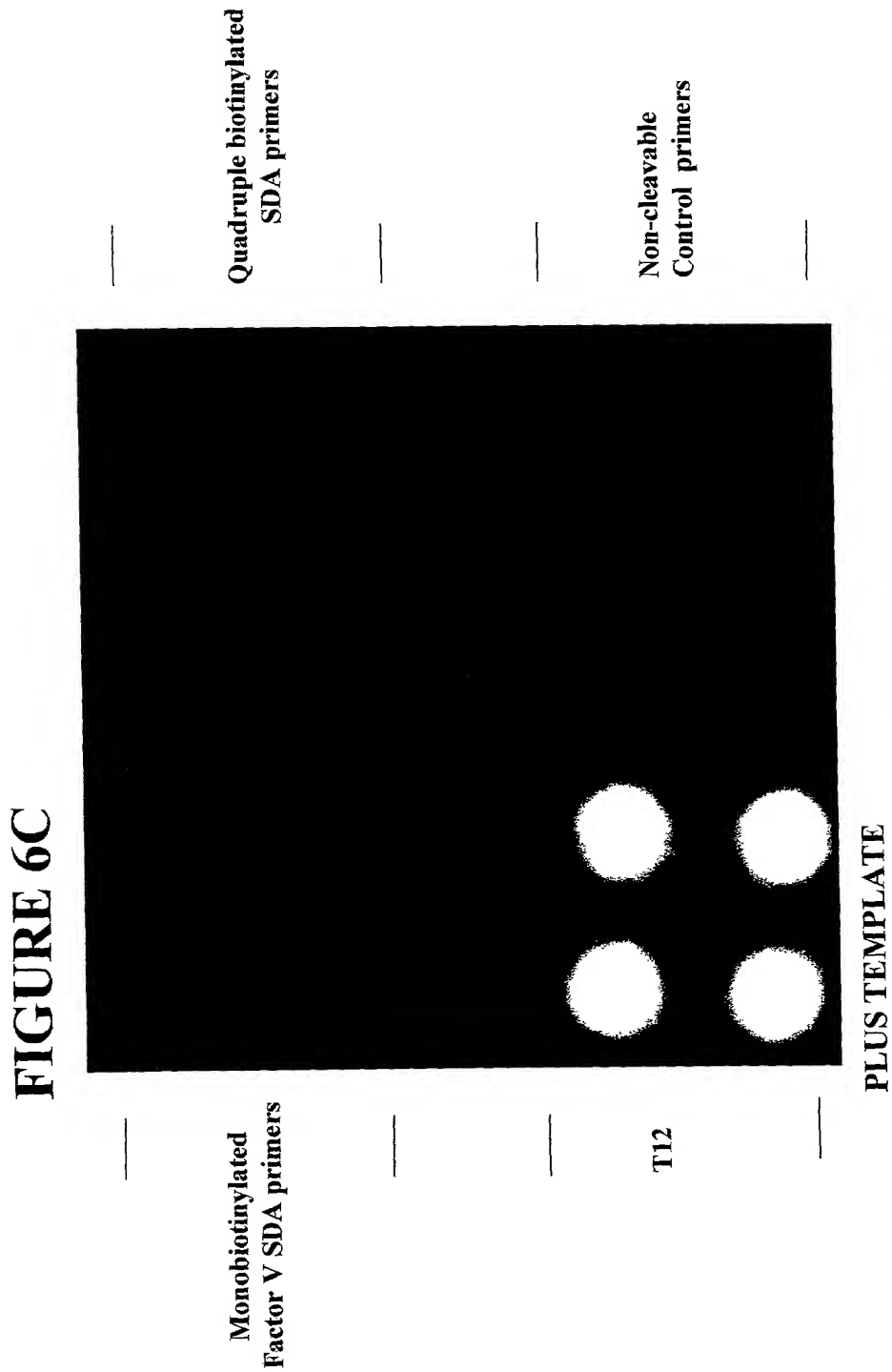


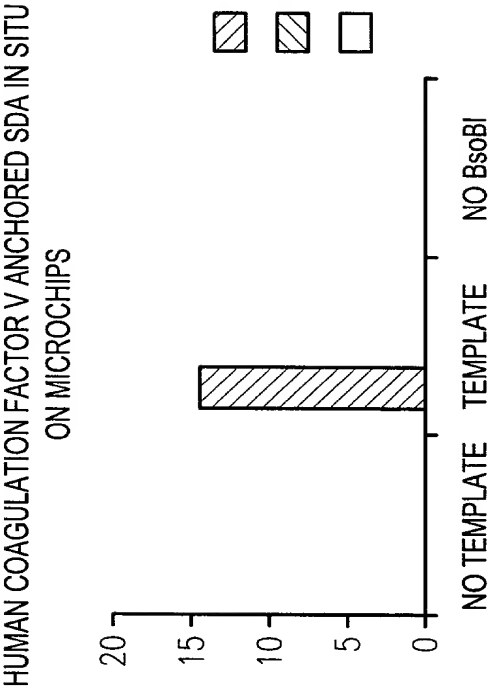
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FIGURE 6B



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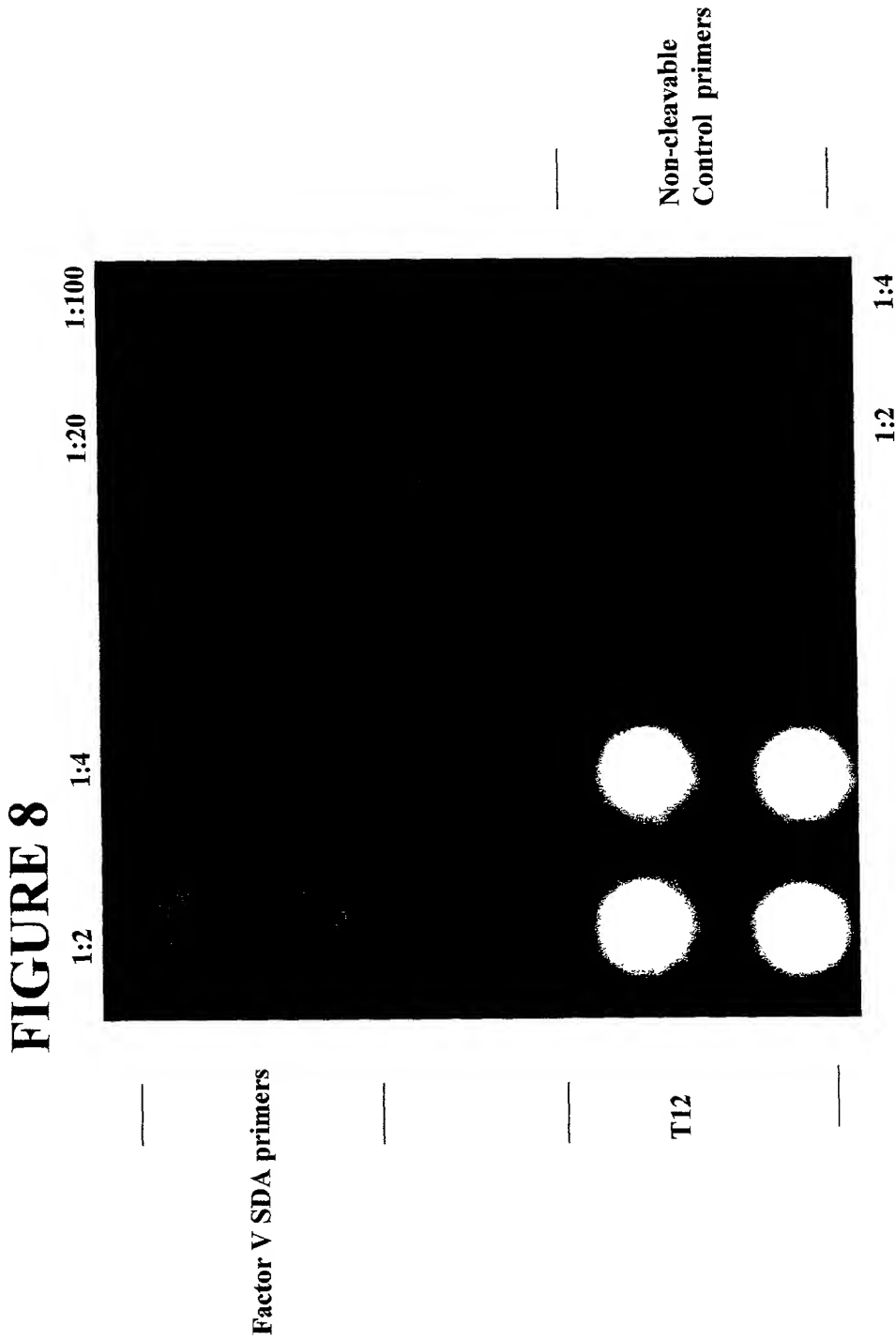




1005 + 1006 = MONOBOTINYLATED PROBES
1877 + 1878 = QUADRUPLE-BOTINYLATED PROBES
1029 + 1030 = NON-CLEAVABLE CONTROL PRIMERS

FIG. 7

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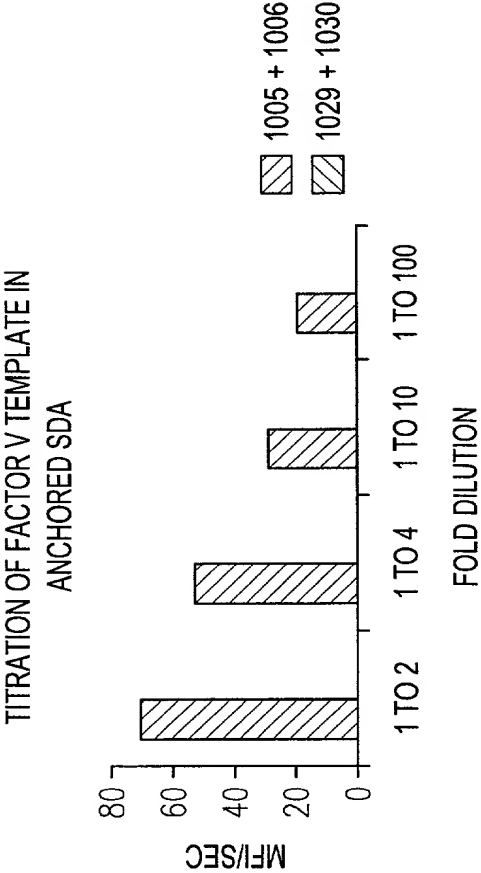
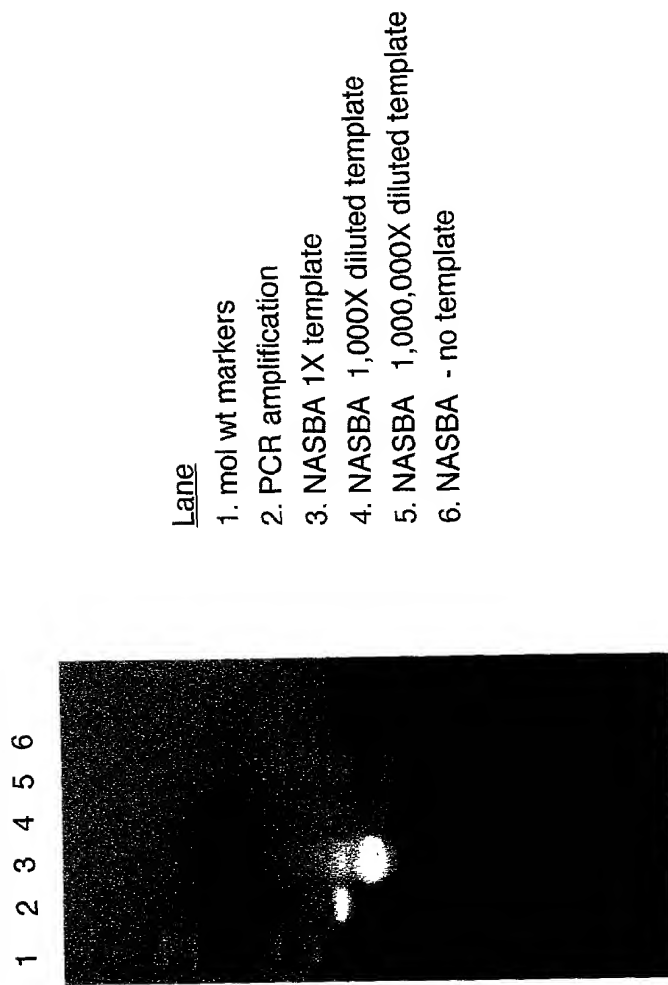


FIG. 9

1005 + 1006 = FACTOR V SDA PRIMERS
1029 + 1030 = NON-CLEAVABLE CONTROL PRIMERS

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FIGURE 10A



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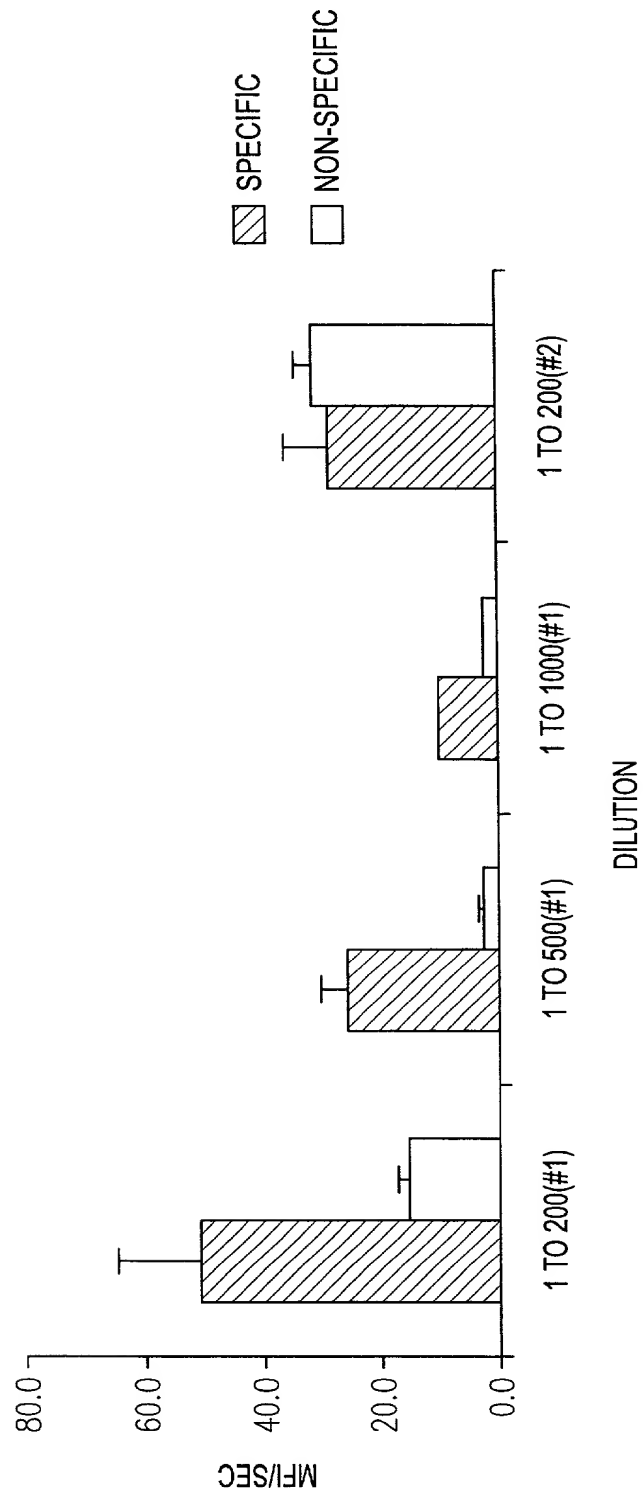


FIG. 10B

103450 0859360

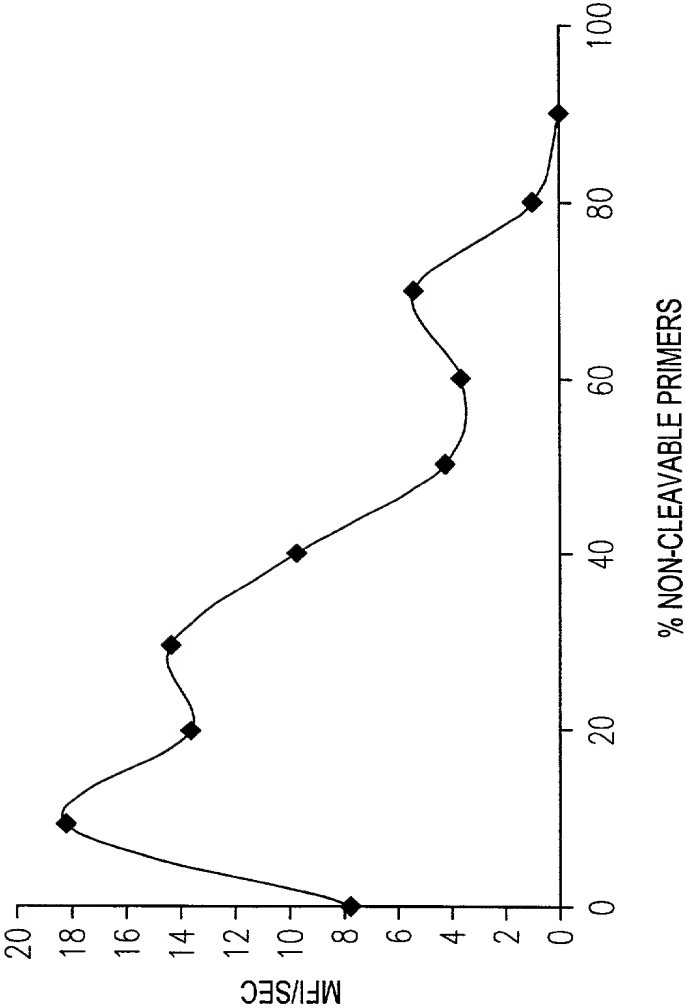


FIG. 11

FIG. 11

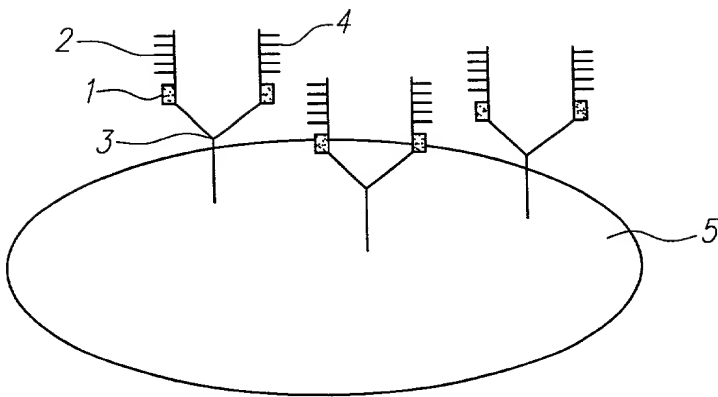


FIG. 12



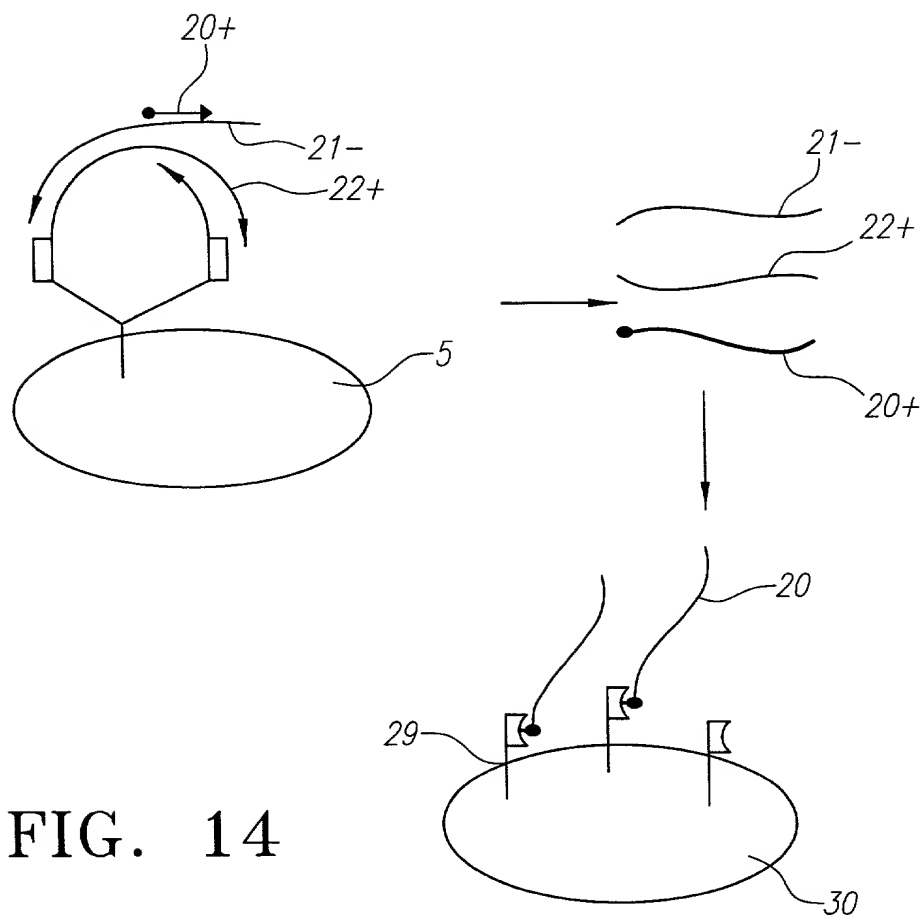


FIG. 14

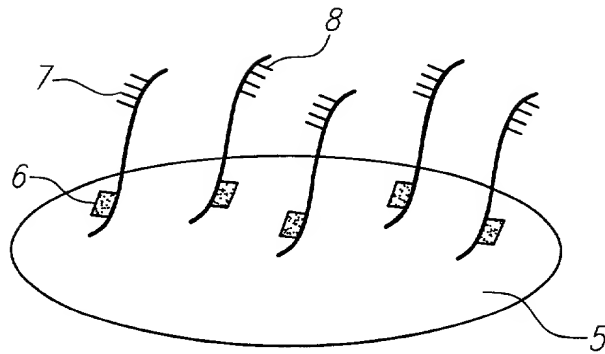
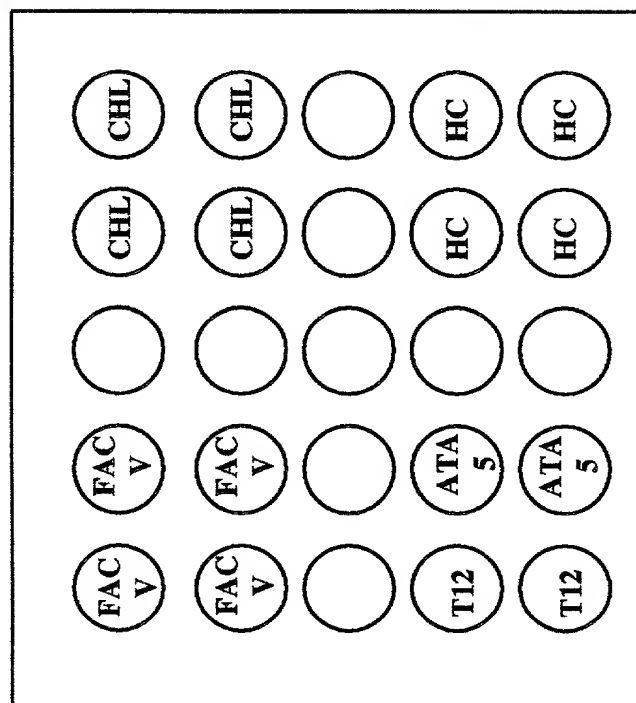


FIG. 15

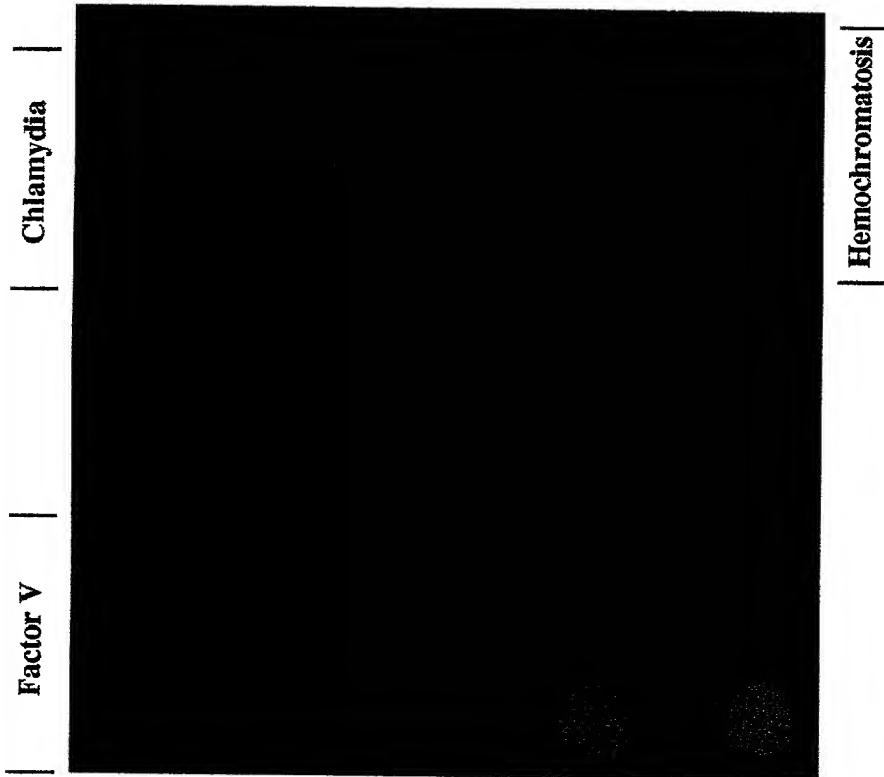
FIGURE 16



**Control - No template +
all reporter oligos**

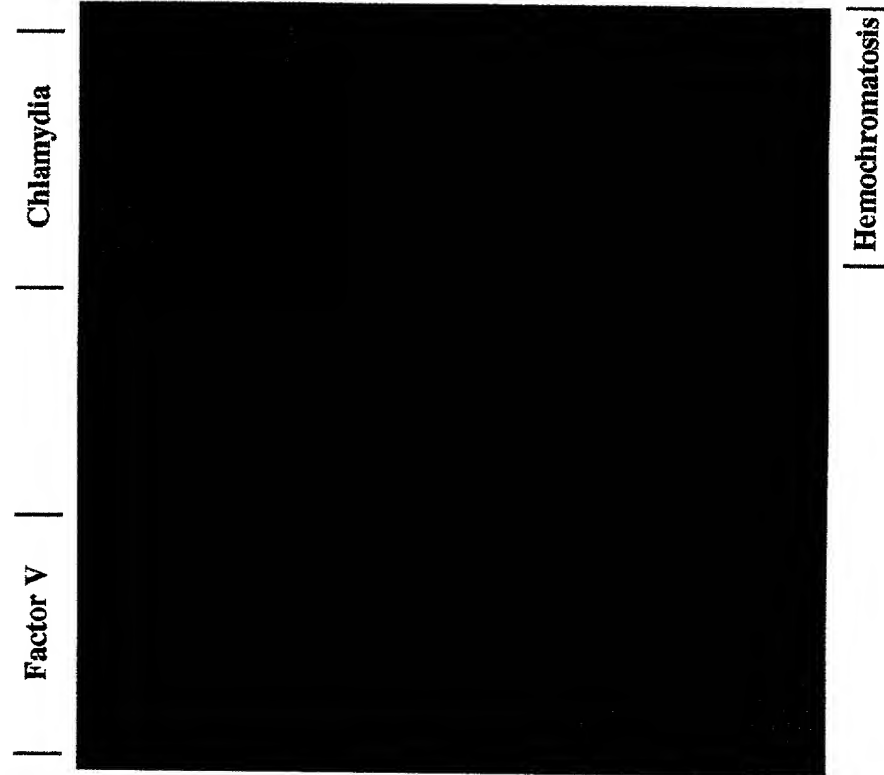
Experimental Layout

FIGURE 18



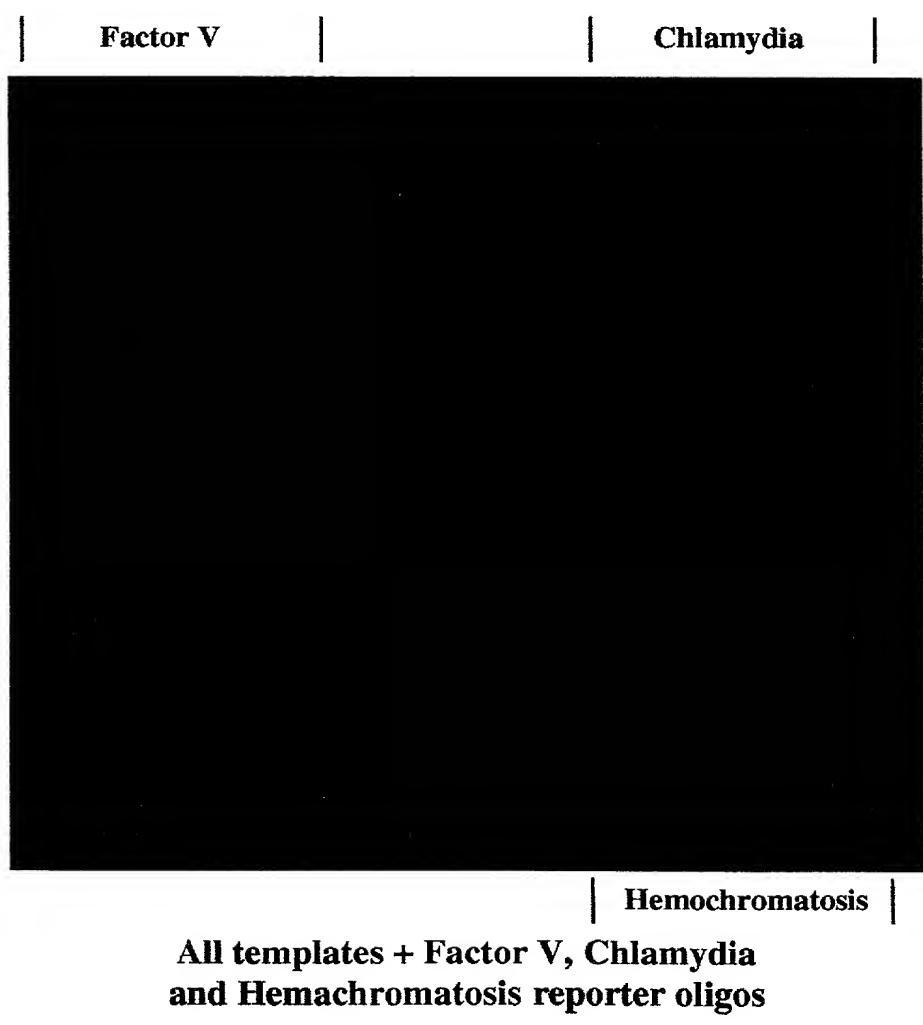
All templates + Factor V Reporter oligo

FIGURE 19



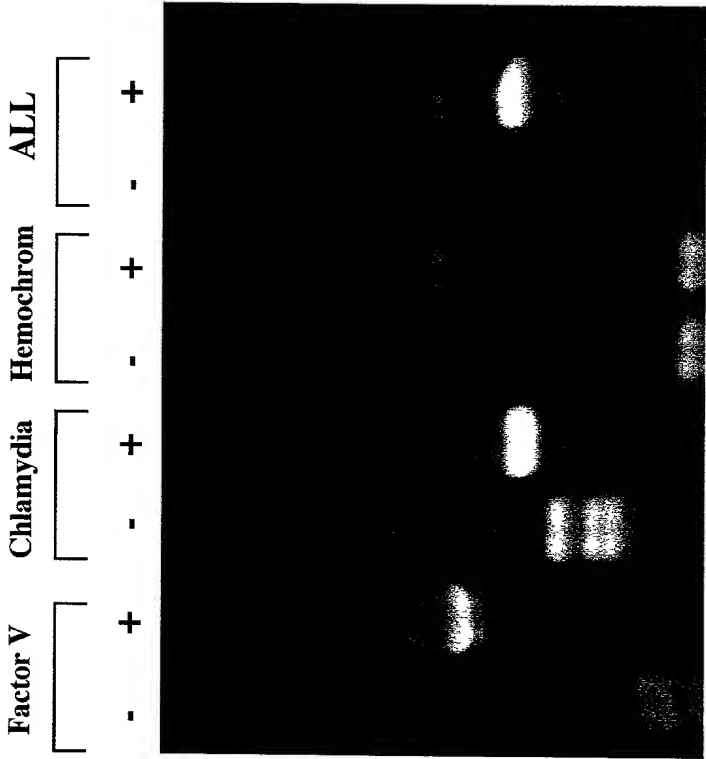
All templates + Factor V, Chlamydia
Reporter Oligos

FIGURE 20



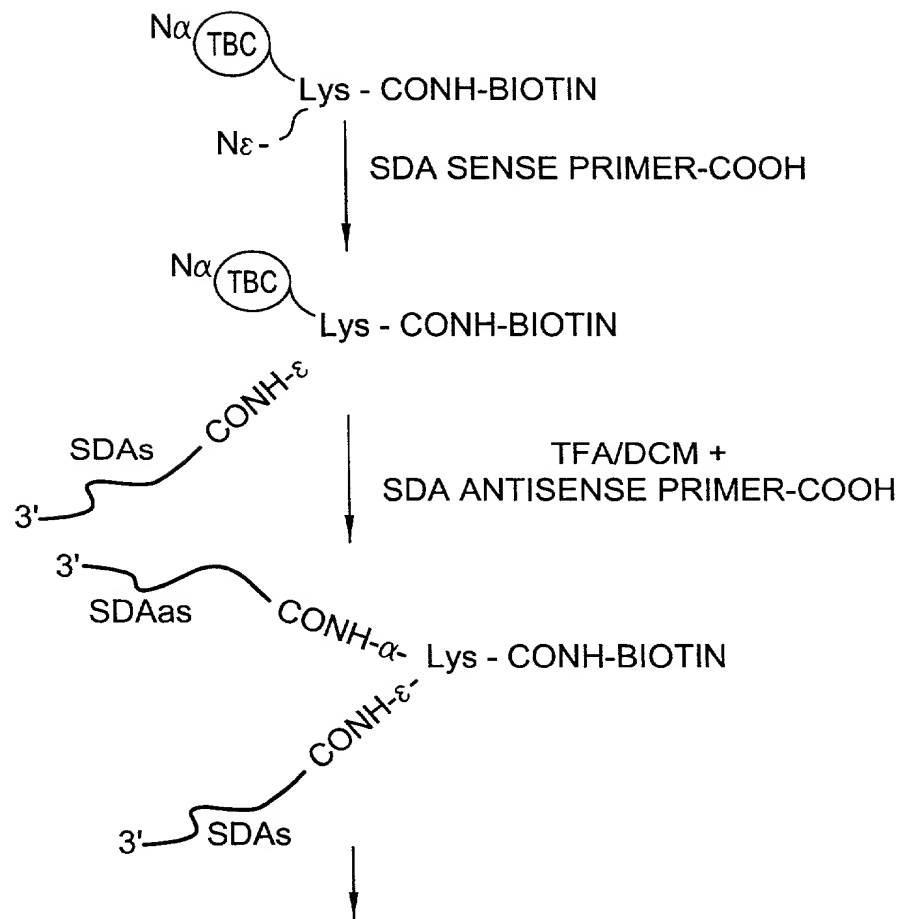
095580-05401

FIGURE 21



Control Solution SDA reactions

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ATTACH TO STREPTAVIDIN PERMEATION LAYER ON MICROCHIP

FIG. 22

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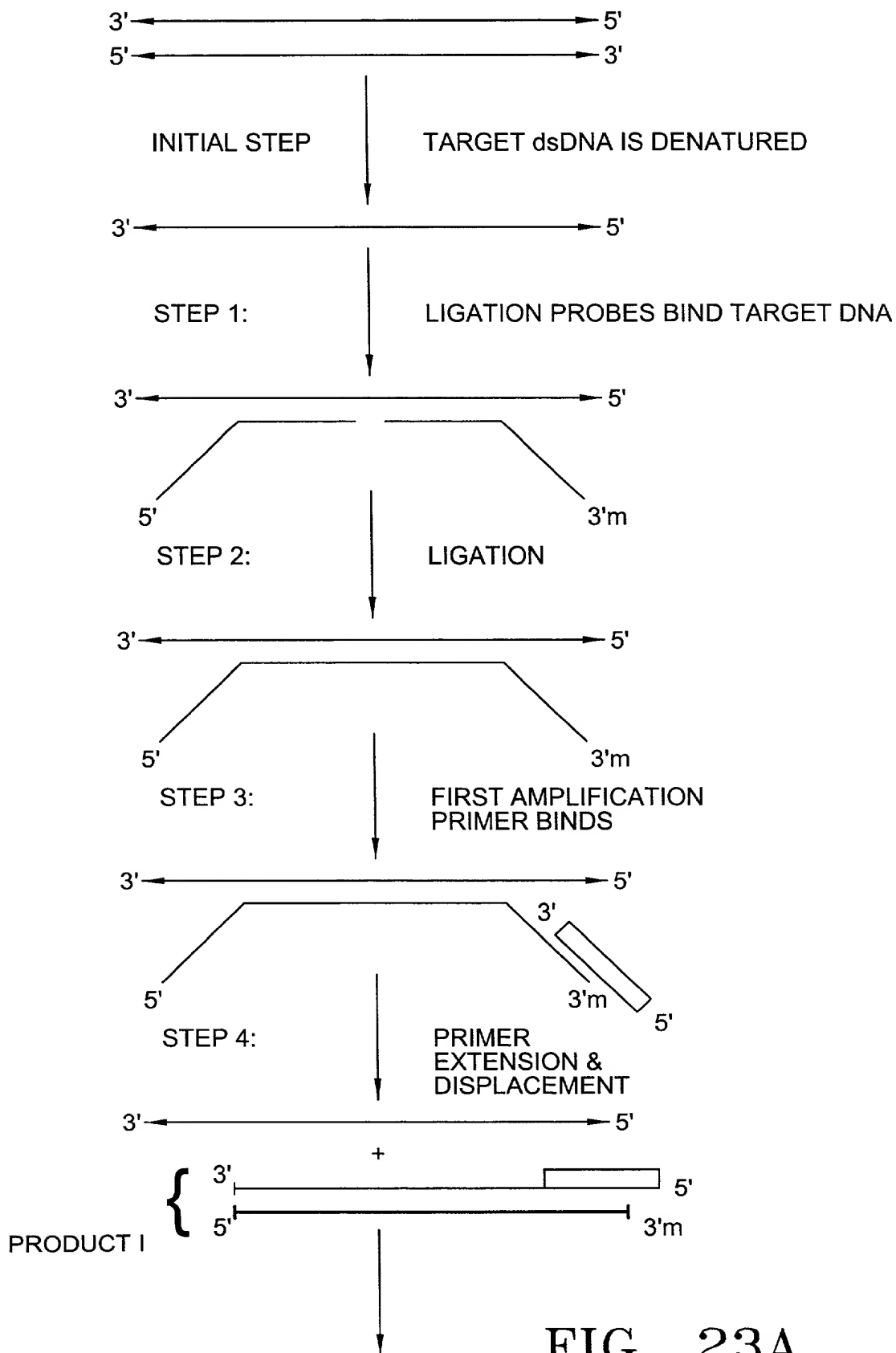


FIG. 23A

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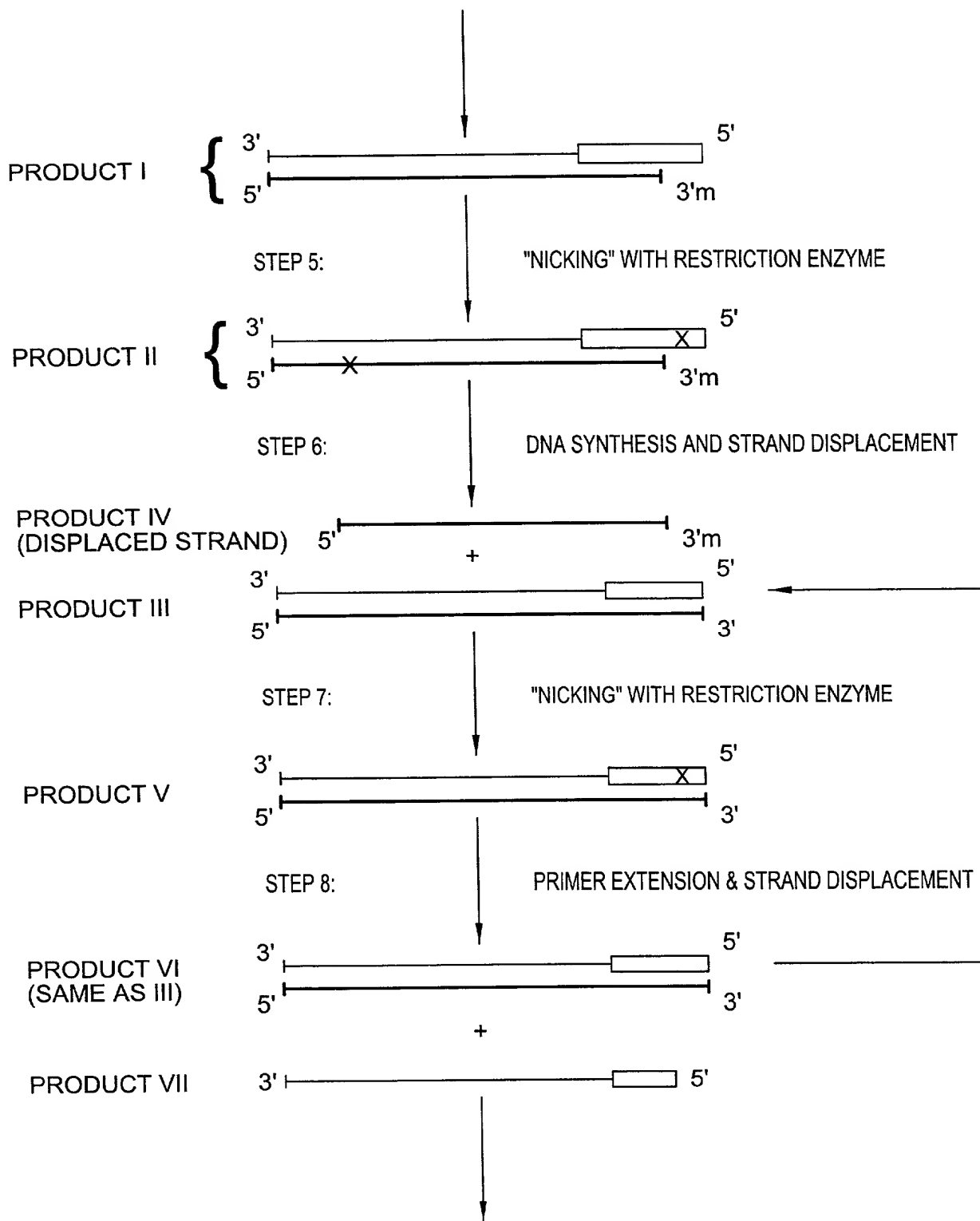


FIG. 23B

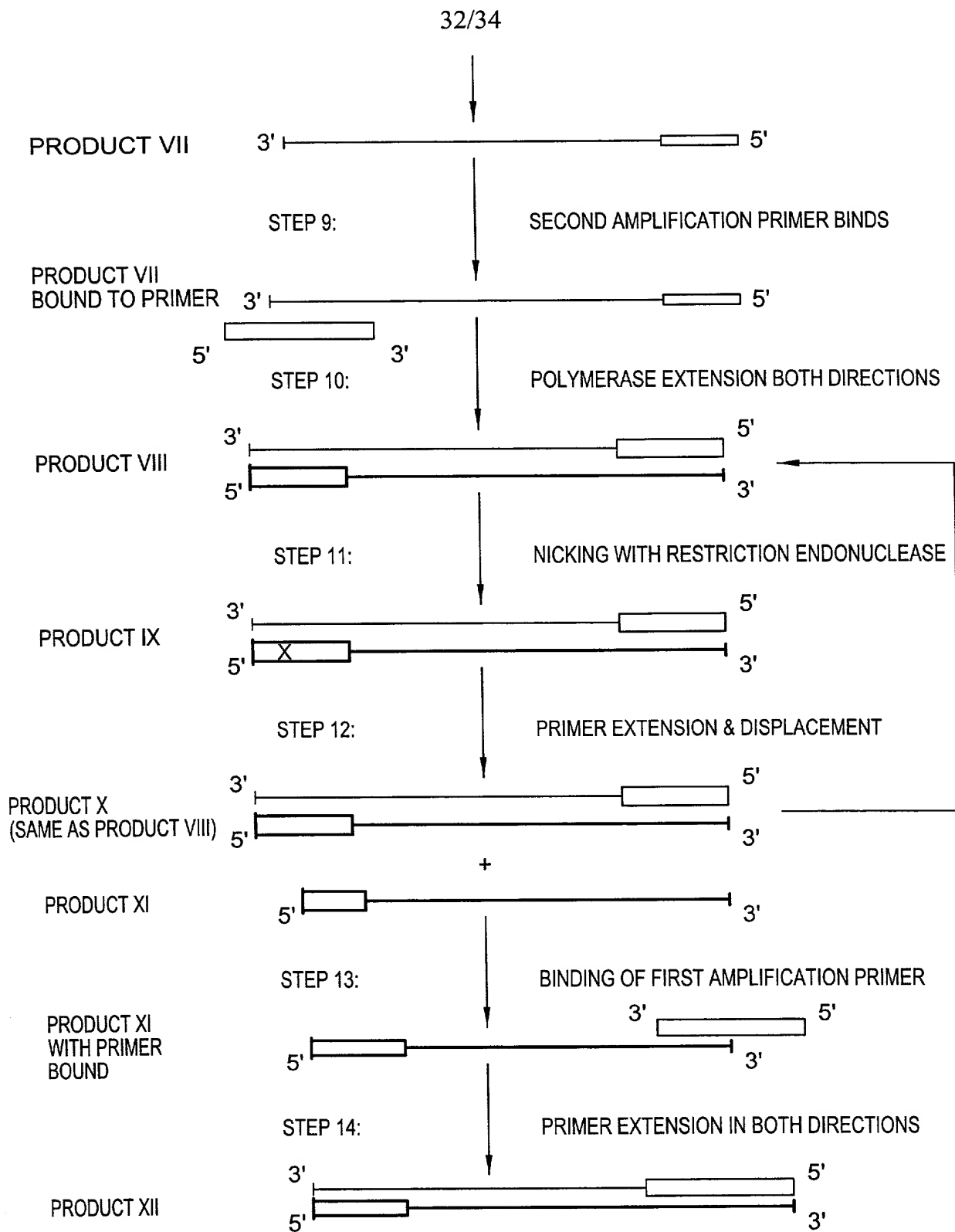
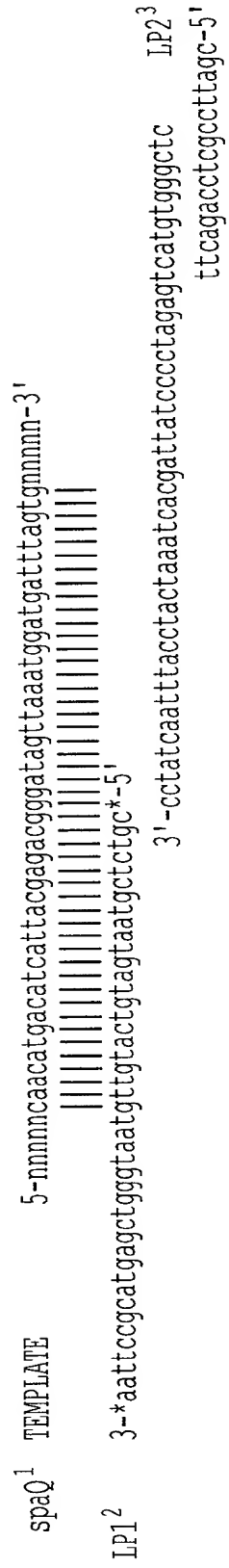


FIG. 23C

LIGATION-DEPENDENT DETECTION OF THE SALMONELLA spaQ GENE

LIGATION PROBES LP1 AND LP2:



AMPLIFICATION PRIMER SEQUENCES S1 AND S2:

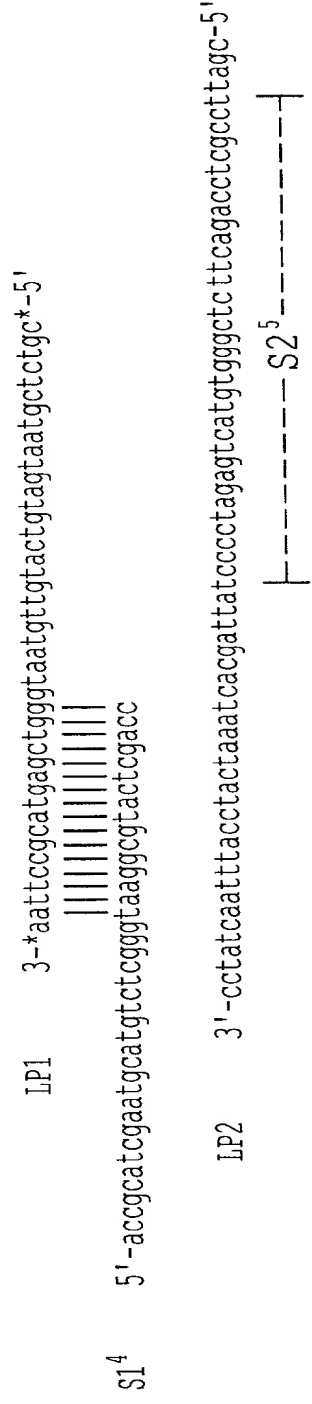
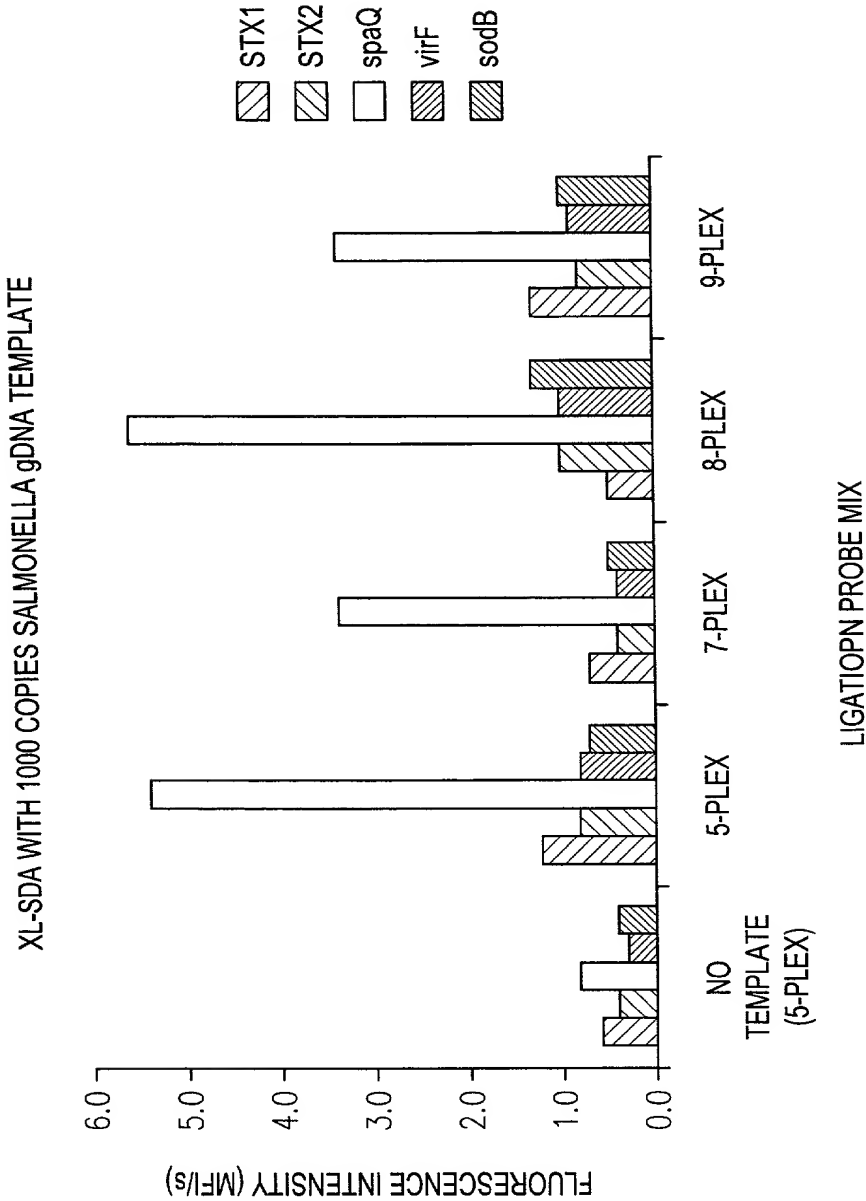


FIG. 23D



ELECTRONIC HYBRIDIZATION USING MICROELECTRODE ARRAY OF XL-SDA REACTIONS WITH SALMONELLA GENOMIC DNA AT 1000

FIG. 24